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SHARDLOW Rural District Council

ANNUAL REPORT

FOR THE YEAR, 1951

SYDNEY HUNT, M.R.C.S. (Eng.), L.R.C.P. (Lond.)
MEDICAL OFFICER OF HEALTH.

Shardlow Rural District Council.

ANNUAL REPORT FOR THE YEAR, 1951.

TO THE CHAIRMAN AND MEMBERS,
MADAM AND GENTLEMEN,

I have pleasure in presenting my Annual Report for the year 1951.

The Birth Rate was 15.0 compared with 15.1 for 1950 and the Death Rate was 10.3 compared with 9.2. On page 33 will be found a table showing comparative figures for England and Wales together with an analysis of mortality and case rates for certain notifiable diseases in the year.

Details of the Council's post war housing activities will be found on page 9. During the year 218 permanent houses were completed and work was in progress on a further 276 at the end of the year. The total number of houses completed up to December 31st, 1951, was 150 prefabricated bungalows and 1,272 permanent houses. The demand for houses throughout the District continues to be very great.

It is satisfactory to note a very definite fall in the number of deaths from Tuberculosis. The figures for deaths from this disease and the death rate are the lowest recorded for the District.

Details of the various Sewerage Schemes approved by the Ministry will be found on pages 19 and 20. During the year the Stanton-by-Bridge scheme was completed and work was commenced on two other major schemes. A scheme for the sewerage of Dale Abbey has been deposited with the Ministry. On the completion of all these schemes only three parishes, having a combined population of less than 250 will be without public sewerage facilities.

I am indebted to my fellow Officers of the Council for their courtesy and assistance during the year.

I am, Madam and Gentlemen,
Yours obediently,
SYDNEY HUNT.

STATISTICS OF THE AREA.

Area (in acres)—44,204.

Registrar General's estimate of resident population, 1951—76,810.

Estimated population, 31/3/52—78,456.

Number of inhabited houses according to the Rate Books (31/3/52)—
23,406.

Rateable Value (31/3/52)—£432,944.

Net sum represented by a Penny Rate (31/3/52)—£1,689.

VITAL STATISTICS.

Live Births.

	Total.	M.	F.
Legitimate	1112	549	563
Illegitimate	39	22	17
	1151	571	580

Birth Rate per 1,000 of the estimated population :—15.0.

Birth Rate per 1,000 of the estimated population for
comparative purposes :—14.5.

Still Births.

Total.	M.	F.	
29	15	14	Legitimate.
1	—	1	Illegitimate.
30	15	15	

Rate per 1,000 (live and still births) 25.4.

Deaths.

Total.	M.	F.
789	412	377

Crude Death Rate per 1,000 of the estimated resident population :—10.3.

Death Rate per 1,000 for comparative purposes :—11.4.

Deaths from various causes (Headings as Registrar General's list).

No. 30. Pregnancy, Childbirth, Abortion :—

Deaths—0.

Rate per 1,000 total (live & still) births—0.

Deaths of infants under one year of age :—

		Total	M.	F.
Legitimate	...	21	10	11
Illegitimate	...	2	2	—
		—	—	—
		23	12	11
		—	—	—

Including deaths of infants under 4 weeks of age :—

Legitimate	...	...	14	5	9
Illegitimate	...	...	2	2	—
			—	—	—
			16	7	9
			—	—	—

Death Rate of infants under one year of age :—

All infants per 1,000 live births	...	...	...	19.9
Legitimate infants per 1,000 legitimate live births	...	...	...	18.2
Illegitimate infants per 1,000 illegitimate live births	...	...	...	51.2

Nos. 10-14 Deaths from Cancer (all ages)	...	...	...	125
No. 5 Whooping Cough (all ages)	...	...	...	—
No. 8 Measles (all ages)	...	...	...	—
No. 27 Gastritis, Enteritis and Diarrhoea (all ages)	...	...	...	4

Comparative rates for certain diseases for England & Wales are shewn in the table on page 23.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

S. HUNT, M.R.C.S. (Eng.), L.R.C.P. (Lond.), Medical Officer of Health.

G. L. ROE, M.S.I.A., Senior Sanitary Inspector.

W. T. POWELL, M.S.I.A., Additional Sanitary Inspector.

G. ELLIS, M.S.I.A., Additional Sanitary Inspector.

G. G. POPPLEWELL, M.S.I.A., Additional Sanitary Inspector.

DERBYSHIRE COUNTY COUNCIL.

CLINICS WHICH SERVE THE AREA OF SHARDLOW R.D.

Ante-Natal Clinics—

Derby, Walker Lane—Tuesday a.m. and p.m.
Long Eaton, 4, Nottingham Road—Wednesday a.m. and p.m.

Infant Welfare Centres—

Alvaston, Nunsfield House—Thursday a.m. and p.m.
Borrowash, Women's Institute—1st and 3rd Monday p.m.
Chellaston, Methodist Church Schoolroom, High Street—2nd & 4th Tuesday p.m.
Chaddesden, Church of Christ, Reginald Road—Wednesday p.m.
Draycott, Co-op. Stores Committee Room—2nd & 4th Wednesday p.m.
Long Eaton, 4, Nottingham Road—Monday p.m. ; and Friday p.m.
Little Eaton, Parish Hall—2nd & 4th Monday p.m.
Littleover, Baptist Chapel, Thornhill Road—Thursday p.m.
Melbourne, The Bungalow, Penn Lane—Wednesday p.m.
Sandiacre, Memorial Institute—2nd & 4th Monday p.m.
Sinthill, St. Stephen's Church Hall, Sinfen Lane—2nd & 4th Monday p.m.
Spondon, New Methodist Church—Friday a.m. and p.m.
West Hallam, Memorial Hall Social Club—1st & 3rd Thursday p.m.

Dental Clinics—

Derby, Walker Lane—Daily.
Long Eaton, 4, Nottingham Road—2nd & 4th Tuesday; 5th Wednesday;
and 3rd and 5th Thursday in month.
Ilkeston, Albert Street—1st, 3rd & 5th Tuesday; 1st & 3rd Wednesday; and
2nd Friday in month.

Eye Clinics—

Derby, Walker Lane—Monday a.m.
Long Eaton, The Grange C. School, Station Road—2nd & 4th Tuesday a.m.
Ilkeston, Albert Street—1st & 3rd Friday a.m. in month.

Minor Ailment Clinics—

Long Eaton, 4, Nottingham Road—Wednesday and 2nd & 4th Saturday a.m.
Melbourne, The Bungalow, Penn Lane—Wednesday a.m. (Nurse only).

Orthopaedic Clinics—

Derby, New County Offices Yard, St. Mary's Gate—Thursday a.m. & p.m.
Long Eaton, 4, Nottingham Road—Friday a.m.
Ilkeston, Albert Street—Wednesday a.m. and p.m.

Sunray Clinic—

Derby, New County Offices Yard, St. Mary's Gate—Tuesday 9 a.m. and
Saturday 12 noon.

Chest Clinics—

Derby, New County Offices Yard, St. Mary's Gate—Wednesday a.m. and
Fridays a.m. and p.m.
Ilkeston, Albert Street—Wednesday a.m. and p.m.
Long Eaton, The Hall Grounds—Tuesday a.m. and p.m.

TABLE SHOWING CAUSES OF DEATH.

CAUSE OF DEATH.		Male	Female	Total	Rate per 1,000 Population.
1—Tuberculosis, respiratory	...	8	3	11	0·14
2—Tuberculosis, other	...	—	—	—	—
3—Syphilitic disease	...	1	—	1	0·01
4—Diphtheria	...	—	—	—	—
5—Whooping cough	...	—	—	—	—
6—Meningococcal infections	...	—	—	—	—
7—Acute poliomyelitis	...	—	1	1	0·01
8—Measles	...	—	—	—	—
9—Other infective & parasitic diseases	...	—	1	1	0·01
10—Malignant neoplasm, stomach	...	4	11	15	0·20
11—Malignant neoplasm, lung, bronchus	...	16	3	19	0·25
12—Malignant neoplasm, breast	...	1	14	15	0·20
13—Malignant neoplasm, uterus	...	—	9	9	0·12
14—Other malignant & lymphatic neoplasms	...	36	31	67	0·87
15—Leukaemia, aleukaemia	...	1	1	2	0·02
16—Diabetes	...	6	1	7	0·09
17—Vascular lesions of Nervous system	...	45	58	103	1·34
18—Coronary disease, angina	...	57	41	98	1·27
19—Hypertension with heart disease	...	3	5	8	0·10
20—Other heart disease	...	67	73	140	1·82
21—Other circulatory disease	...	16	14	30	0·40
22—Influenza	...	15	17	32	0·41
23—Pneumonia	...	12	13	25	0·32
24—Bronchitis	...	29	12	41	0·52
25—Other diseases of respiratory system	...	6	—	6	0·08
26—Ulcer of stomach & duodenum	...	5	3	8	0·10
27—Gastritis, enteritis & diarrhoea	...	1	3	4	0·05
28—Nephritis and nephrosis	...	4	3	7	0·09
29—Hyperplasia of prostate	...	2	—	2	0·02
30—Pregnancy, childbirth, abortion	...	—	—	—	—
31—Congenital malformations	...	5	2	7	0·09
32—Other defined & ill-defined diseases	...	49	47	96	1·24
33—Motor vehicle accidents	...	10	2	12	0·15
34—All other accidents	...	7	5	12	0·15
35—Suicide	...	6	4	10	0·13
36—Homicide & operations of War	...	—	—	—	—
All causes	...	412	377	789	10·30

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

The incidence of notifiable diseases during 1951, was :—

	<i>Cases Notified.</i>	<i>Removed to Hospital.</i>	<i>Deaths.</i>
Tuberculosis—Pulmonary	... 58	37	9
Tuberculosis—Other forms	... 6	2	2
Smallpox	... ...	—	—
Scarlet Fever	... ...	67	19
Diphtheria	... ...	3	2
Typhoid and Paratyphoid Fever	7	7	—
Puerperal Pyrexia	... ...	3	1
Erysipelas	... ...	6	1
Ophthalmia Neonatorum	... —	—	—
Pneumonia	... ...	72	5
Measles	... ...	1544	17
Whooping Cough	... ...	289	13
Cerobro Spinal Fever	... ...	3	3
Acute Polio-myelitis	... ...	4	4
Food Poisoning	... ...	3	2
Dysentery	... ...	1	—

These figures represent the notifications as received. The corrected figures will be found in the table on page 7.

Food Poisoning.

Two cases occurred in the same house at Draycott. The cause was not determined, but the food was probably contaminated in the home. One case occurred at Alvaston, but the cause was not determined.

Paratyphoid Fever.

Three cases occurred in Melbourne, two being secondary cases. The source of the infection was not determined. Bacteriological report VI Phage Type I.

Two cases occurred at Alvaston during August. The source of the infection was not determined. Bacteriological report untypable VI Strain (probably Kent).

Two cases occurred at Littleover ; source was not determined and no Bacteriological report was obtained.

National Assistance Act, 1948, Sec. 47.

Two cases were dealt with during the year.

A man 86 years of age was removed from Little Eaton to Babington House, Belper, and a woman of 74 years was removed from Chaddesden to Manor Hospital, Derby.

Meat and Foods.

There is no Government slaughtering centre in the District but nine private slaughterhouses are licensed for the slaughter of cottagers' pigs.

Regular inspection is made of all premises used for the preparation, storage or sale of food.

**CASES OF NOTIFIABLE DISEASES AT VARYING AGES DURING
Under one year**

AFTER CORRECTION.

Total

**originally
notified.**

DISEASE.	Unknown year	1—	2—	3—	4—	5—	10—	15—	20—	35—	45—	60—	Total.
Smallpox	—	—	—	—	—	—	—	—	—	Nil
Scarlet Fever	1	1	3	—	11	42	2	1	5	67
Diphtheria	—	—	—	—	—	—	—	—	—	66
Enteric Fever—Typhoid	—	—	—	—	—	—	—	—	—	—	3
Para-Typhoid	1	—	—	—	1	3	1	—	1	Nil
Puerperal Pyrexia	—	—	—	—	—	—	—	2	1	—	7
Pneumonia	1	2	1	2	—	1	6	—	2	6	72
<i>Other diseases generally notifiable:</i> —													
Measles	47	108	173	237	291	650	15	5	—	4
Whooping Cough	...	5	21	37	35	54	55	85	2	—	1	—	295
Dysentery	—	—	—	—	—	—	—	—	—	—	1
Erysipelas	—	—	—	—	—	—	—	—	1	1	6
Acute Polio-Myelitis (paralytic)	—	—	—	—	—	—	—	—	—	—	1	4	6
Cerebro Spinal Fever	—	—	—	—	—	—	—	—	—	—	3
Food Poisoning	—	—	—	—	—	—	—	—	1	2	3

Tuberculosis.

Table showing age periods of deaths and new cases.

Age Periods.	New Cases.				Deaths.			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—
1	1	—	—	1	—	—	—	—
5	1	—	—	—	—	—	—	—
10	1	—	1	—	—	—	—	—
15	4	2	—	2	—	—	—	—
20	5	4	—	—	—	2	—	—
25	9	12	2	—	1	—	—	—
35	6	3	—	—	—	1	1	—
45	5	2	—	—	—	1	—	—
55	2	1	—	—	1	—	—	—
65 and Upwards.	—	—	—	—	2	1	—	1
	—	—	—	—	—	—	—	—
	34	24	3	3	4	5	1	1
	—	—	—	—	—	—	—	—

Diphtheria Immunisation.

Immunisation is undertaken by the General Practitioners and also by the Assistant Medical Officers of the County Council at the various Clinics in the district.

The County Medical Officer of Health has informed me that during the period January 1st, 1951—March 31st, 1952, he has received Record Cards in respect of 1,060 children immunised during the year 1951. Details are as follows :—

Age Group.

Under 1 year.	38
1	548
2	265
3	47
4	35
5—9 (inc.)	88
10—14 (inc.)	39
Total	1,060

Post-War Housing.

At 31st December, 1951, 1,272 permanent houses and 150 prefabricated bungalows had been completed as follows :—

PERMANENT HOUSES—

Parish		No. of houses.	Parish		No. of houses.
Alvaston	...	74	Littleover	...	132
Aston-on-Trent	...	18	Melbourne	...	46
Breadsall	...	8	Ockbrook	...	128
Breaston	...	151	Sandiacre	...	64
Chaddesden	...	50	Shardlow	...	16
Chellaston	...	102	Spondon	...	320
Draycott	...	17	Stanley Village	...	6
Little Eaton	...	22	Stanley Common	...	100
			West Hallam	...	18

PREFABRICATED BUNGALOWS—

Chellaston	...	50	Spondon	...	50
Sandiacre	...	50			

The following 276 houses were in course of erection :—

Breaston	...	12	Ockbrook	...	30
Chaddesden	...	62	Sandiacre	...	8
Chellaston	...	74	Spondon	...	64
Littleover	...	26			

Water Supplies.

Main laying during the year was concerned with housing sites at Chellaston and Sandiacre.

Water consumption for domestic purposes in Shardlow water area for year ending March 31st, 1952—305,837,176 gallons.

Average daily consumption per head—25.6 gallons.

Water consumption by metered supplies in Shardlow water area for year ending March 31st, 1952—78,551,213 gallons.

Results of Chemical Analysis of Water in Supply.

	<i>Supplied by Shardlow Rural District Council.</i>	<i>Supplied by Derby Corporation.</i>
Appearance in 2 ft. tube	Clear. Colourless.	
pH value	... 7.95	
Results in parts per million.		
Total Solid matter (Dried at 180 degrees C)	... 170	120
Free and Saline Ammonia	... 0	0
Albuminoid Ammonia	... 0.006	0.02
Nitrogen as Nitrites	... Very faint trace.	0
Nitrogen as Nitrates	... Trace.	Trace
Chlorine (present as Chloride)	17	19
Oxygen absorbed in four hours at 80 degrees Fahr.	... 0.46	0.50
Hardness—Temporary	... 70	15
,, Permanent	... 40	45
,, Total	... 110	60
Metals—Iron	less than 0.21	Less than 0.05
Free Chlorine	... 0	0
Sample taken at Elvaston School, November 9th, 1950.		
Analyses by	... ..	R. W. SUTTON, R. W. SUTTON, County Analyst. Borough Analyst.

RESULTS OF CHEMICAL ANALYSIS OF SAMPLES OF RAW WATER
TAKEN 27th SEPTEMBER, 1951.

	Borehole, Melbourne Pumping Station.	Borehole, Little Eaton Pumping Station.
(a) Physical Examination.		
Colour	Faintly greenish-brown	Slightly greenish-brown
Appearance	Very slightly turbid.	Clear
Taste	nil	nil
Smell	nil	nil
(b) General Chemical Examination.		
Reaction	pH. 7.85	pH. 7.75
	Results in parts per million.	
Free Carbon Dioxide as CO/2	2.0	3.6
Ammoniacal Nitrogen as N.	0.007	0.01
Albuminoid Nitrogen as N.	0.006	0.004
Nitrous Nitrogen as N. ...	0	0
Nitric Nitrogen as N. ...	Trace	0
Hardness as CaCO/3 (Hehner) :		
Temporary	170	145
Permanent	75	70
Permanganate figure ...	0.05	0
Alkalinity as CaCO/3 ...	170	145
Total Solids	340	300
(c) Mineral Analysis.		
Calcium as Ca	58.9	50.2
Magnesium as Mg ...	24.2	22.3
Sodium as Na ...	14.0	12.5
Carbonate as CO/3 ...	101.9	88.1
Chloride as Cl ...	23.5	21.5
Sulphate as SO/4 ...	71.9	64.6
Nitrate as NO/3 ...	—	—
Iron	0.3	0.3
(d) Other determinations.		
Silica	—	10.0
Free Chlorine	0	0
	In appearance the sample was slightly turbid and of a faint greenish-brown colour.	In appearance the sample was clear and of a slight greenish-brown colour.
	The analytical results afford no evidence of the occurrence of active pollution.	The analytical results afford no evidence of the occurrence of active pollution.

Analyses by R. W. Sutton, County Analyst.

PARTICULARS AS TO WATER SUPPLY AS REQUIRED BY MINISTRY OF HEALTH CIRCULAR 42/51.

The Parishes of the Shardlow Rural District supplied with water by the Derby Corporation are :—Alvaston & Boulton, Breadsall, Chaddesden, Little Eaton, Littleover, Spondon and the Parishes of Arleston and Sinfin Moor which are supplied by special agreement.

The area of the district included in the Shardlow Rural District Council water area consists of the Parishes of Aston-on-Trent, Barrow-on-Trent, Breaston, Chellaston, Dale Abbey, Derby Hills, Draycott, Elvaston, Hopwell, Melbourne, Morley, Ockbrook, Risley, Sandiacre, Shardlow, Stanley, Stanton-by-Bridge, Stanton-by-Dale, Swarkestone, West Hallam, Weston-on-Trent, Arleston and Sinfin, Sinfin Moor, (the last two parishes being supplied by Derby Corporation by special agreement).

Parishes supplied by Shardlow Rural District Council	Parishes supplied by Derby Corporation	
(i) Whether the water supply of the area and if its several parts has been satisfactory.	(a) Satisfactory. (b) Satisfactory.	(a) Satisfactory. (b) Owing to the inadequate capacity of certain trunk mains, pressures have been poor in various high points of the supply area.
(ii) Where there is a piped supply, whether bacteriological examinations were made of the raw water and, where treatment is installed, of the water going into supply ; if so, how many and the results obtained ; the results of any chemical analyses.	Regular sampling of raw water and water going into supply. RAW WATER :—9 samples for chemical analysis, all satisfactory, 9 samples for bacteriological examination, all satisfactory.	Regular examination is made of the raw water and of the water going into supply. As all water is treated, the majority of samples are taken after treatment.
		A total of 487 Bacteriological, 62 Chemical and 217 pH and Hardness samples were taken, both at the works and from various points in the area of supply.
		WATER GOING INTO SUPPLY :—38 samples for bacteriological examination of which 36 were satisfactory and 2 unsatisfactory but satisfactory after re-sampling.

(iii) Where the waters are liable to have plumbo-solvent action, the facts as to contamination by lead, including precautions taken and number and result of analyses.

Water supplied is a mixture of Derwent Valley and borehole water, the latter from boreholes at Little Eaton and Melbourne. The former is likely to have plumbo-solvent action and the use of copper or tinlined lead pipes is required. None of the analyses revealed the presence of lead.

(iv) Action taken in respect of any form of contamination.

Only that proportion of the supply obtained from the Derwent Valley Water Board is liable to plumbo-solvent action. Under the Derwent Valley Water Act, 1899, water supplied by the Board is required to be treated by them for the prevention of such action before the water is delivered to any of the constituent Undertakings.

(v) Particulars of the number of dwelling houses and the number of the population supplied from public water mains

- (a) direct to houses.
- (b) by means of standpipes.

	Number of houses supplied ...	8,989	Number of houses supplied ...	13,921
All water is chlorinated before being passed into supply.				
Chlorinating plants installed at Little Eaton and Melbourne. Usual dosage 3lbs. Chloros per million gallons.				

There are no public stand-pipes in the district and fewer than 100 houses are supplied from stand-taps in house yards.

Allowing for sundry supplies by other authorities a total of 23,015 houses, equivalent population 77,087, are supplied with water from public mains.

See table at end of Report.

REFUSE COLLECTION AND DISPOSAL.

The costs for the year ending March 31st, 1952, were as follows :—

Refuse Collection including Garage and proportion of Cesspool Emptier, after allowing for sundry income (£100/14/6d.)	... ... ...	£ s. d.	Average cost per house.
			£ s. d.
		25,082 10 3	1 1 5½
Refuse Disposal	... ...	5,915 0 0	5 0½
Total cost for year	... ...	<hr/>30,997 11 0	<hr/> 1 6 5¾
Total cost for year ending March 31st, 1951	... ...	<hr/>£27,287 10 5	<hr/> £1 4 3

Direct labour collection and disposal continued throughout the year. One new Bedford 10 cu. yard side loading vehicle with crew cab was purchased at a cost of £1,190/0/0d. The policy of standardisation in the fleet of vehicles suffered a set-back by the non-delivery of an Austin 5 ton chassis which was ordered in July.

During the year the wages of refuse collectors and refuse tip-men increased from 2/6½d. to 2/11½d. per hour and the cost of petrol increased by 1/1d. per gallon.

The staff at the Spondon Garage was increased by the appointment of an apprentice in August and now consists of 1 Chief Mechanic ; 1 Mechanic ; 1 Assistant and 1 Apprentice.

The tipping sites at Chellaston, Dale Abbey, Little Eaton, Melbourne and West Hallam continued to be used throughout the year.

On August 22nd bank notes to the total value of £291/0/0d. were found at the Chellaston tip where the refuse from seven parishes is dealt with. Part of the money was found by an employee of the Council and the remainder by the owner of the site and his partner. The money was still unclaimed at the end of the year.

Cesspool Emptier.

The completed machine was delivered in May and undertakes the whole of the nightsoil collection in the district as well as performing many useful tasks at the various sewage disposal works. When circumstances permit a limited number of private cesspools are emptied for which service a charge of 15/- per hour is made.

Costs have been as follows :—

	£ s. d.
1950-51—Purchase of Chassis and cab	749 7 3
1951-52—Provision of tank, vacuum equipment painting, etc.	738 19 11
Repairs, replacements, etc.	12 1 1
Petrol and oil	240 18 4
Licences and insurance	72 12 2
Wages	831 10 6
Stock a/c	8 13 8
	1,904 15 8
Sundry income	182 19 9
Total for 1951-52	£1,721 15 11

The cost for the year 1951-52 is apportioned as follows :—

Refuse Collection	£1,450 9 4
Sewage Disposal	£271 6 7

General Purpose Lorries.

The Austin trucks continued to be operated during the year, being used for general haulage in connection with sewage disposal, refuse collection and disposal. The costs for the year ending March 31st, 1952, were as follows :—

	£ s. d.
Licences and Insurance ...	115 6 0
Garage	20 17 7
Petrol and oil	426 16 6
Tyres, replacements, etc. ...	121 5 2
Wages	836 8 6
Tools	10 3 0
	<hr/>
	£1,530 16 9
	<hr/>

The cost per hour was 7/- per vehicle and the lorries were used for the following services :—

	£ s. d.
Sewage Disposal ...	1,089 2 1
Refuse Collection ...	165 7 4
Refuse Disposal	221 0 9
Garage	11 17 9
Rodent Control	1 8 0
Salvage	8 9 7
General Expenses ...	33 11 3

Salvage.

The Income and Expenditure for each year of salvage is as follows : --

	Income.			Expenditure		
	£	s.	d.	£	s.	d.
1939-40	16	18	10	—	—	—
1940-41	1,003	16	5	1,234	10	2
1941-42	1,055	9	11	1,270	13	7
1942-43	2,288	6	10	1,771	14	3
1943-44	1,893	19	0	925	11	0
1944-45	1,757	0	3	891	17	7
1945-46	935	18	3	482	4	7
1946-47	870	5	3	461	18	1
1947-48	1,434	3	2	612	19	11
1948-49	1,675	17	9	601	19	1
1949-50	433	15	2	424	7	4
1950-51	666	13	4	42	1	9
1951-52	2,237	15	7	46	13	0

During the year ending March 31st, 1952, the following materials were disposed of : --

	T.	C.	Q.	£	s.	d.			
Waste paper	...	135	9	2	1,983	16	8		
Textiles	...		17	2	15	6	9		
Metals	...	50	12	2	143	11	2		
Bottles	...		1	2	6	3			
				187	1	0	£2,143	0	10

General Purpose Van.

The Morris van was used by the Sewage Works Foreman, and the cost for the year ending March 31st, 1952, was as follows : --

	£	s.	d.
Licence and Insurance	...	18	6
Petrol and Oil	...	54	12
Repairs, replacements, etc.		17	5
		10	
	£90	3	10

The vehicle covered a total of 11,221 miles.

Mortuary.

The maintenance cost for the year ending March 31st, 1952, was £16/16/2d. The mortuary has been used for the following cases :—

1940-1950 (inc.) —	40 cases
1951 —	7 cases

Supply of Dustbins, etc.

During the year ending March 31st, 1952, 458 dustbins were supplied by the Council, 299 to Council properties and 159 to private premises.

Food and Drugs Act, 1938.

7 samples of milk and 11 samples of ice-cream were taken for bacteriological examination. In addition 8 samples of water (other than public supplies) were collected. The County Council, as authority for the licensing of the 3 milk pasteurising establishments in the district took 74 samples.

The following foodstuffs were condemned during the year :—

	Lbs.
10 tins fish	... ... ... ... 10
329 tins fruit	... ... ... ... 318
10 tins ham	... ... ... ... 120
69 tins other meats	... ... ... ... 489
51 tins milk	... ... ... ... 52
38 tins preserves	... ... ... ... 60
50 tins soup	... ... ... ... 50
244 tins vegetables	... ... ... ... 322
Bacon	... ... ... ... 4
Butter and Margarine	... ... ... ... 2
Cheese	... ... ... ... 80
Cured fish	... ... ... ... 147
Flour	... ... ... ... 57
Fruit	... ... ... ... 4
Chopped Pork	... ... ... ... 224
Sausages	... ... ... ... 38
Tongue	... ... ... ... 6
Carcase one turkey	... ... ... ... 12
66 cakes	... ... ... ... 74
48 packets cake and pudding mixture	... ... 42
179 jellies	... ... ... ... 45

2,156 lbs.

The following information is supplied by courtesy of the County Analyst :—

196 samples, including 163 Milks, were taken under the above Act in the area of the Shardlow Rural District Council during the year 1951. Three samples of Milk contained small amounts of added water and five samples were deficient in fat. The vendors of these samples were cautioned. The remaining samples were all classed as satisfactory.

Petrol Supplies.

19,310 gallons of motor fuel were purchased during the year ended 31st March, 1952. There are two pumps, each with 500 gal. storage tank, situated one at Chaddesden and one at Melbourne.

Closet Conversion Scheme.

Statutory action under Sec. 47, Public Health Act, 1936, continued throughout the year. During the twelve months ended 31st March, 1951, 14 new waterclosets were provided replacing four privies and eight pail closets.

Very few conversions are outstanding in the sewered areas, but the completion of schemes of sewerage which are now in progress will result in an increase in this work.

Closet accommodation in the district is now estimated to be :—

Water closets	...	...	26,594
Pail closets	...	...	632
Privies	...	...	236

Sewerage and Sewage Disposal.

The position regarding the major schemes approved by the Ministry of Health is as follows :—

1.—BARROW AND SWARKESTONE.

A joint scheme of sewerage, including two pumping stations and enlargement of the existing Chellaston Disposal Works.

Commenced May and almost half completed at the end of the year. Progress impeded by excessive subsoil water.

2.—ELVASTON.

Sewerage of the three hamlets of Elvaston, Thulston and Ambaston, including two pumping stations and sewage disposal works at Ambaston.

Commenced February and about one quarter completed at the end of the year. Progress very slow.

3.—MORLEY.

(a) Sewerage of Brackley Gate area to new disposal works.

(b) Sewerage of Church Lane area to new disposal works.

Commenced in April 1952.

4.—STANTON-BY-BRIDGE.

Sewerage of the Parish to a new pumping station discharging sewage to the existing Melbourne sewerage system, with additions to the existing Melbourne Disposal Works.

Completed during the year and notices served re closet conversions.

5.—SANDIACRE AND DISTRICT REGIONAL SCHEME.

A joint scheme of sewerage serving Stanton-by-Dale, Sandiacre, Risley, Breaston and Draycott, including two pumping stations at Sandiacre and enlargement of the Draycott Disposal Works. The present arrangement whereby sewage from Sandiacre and part of Risley is treated at joint disposal works at Stapleford is to be discontinued.

Commenced January and about one quarter completed at the end of the year.

The following were also dealt with during the year :

ALVASTON AND BOULTON.

15 yards of 9in. and 42 yards of 6in. foul sewer, together with two manholes were installed at Westgreen Avenue and Westdene in order to improve the drainage systems at a group of houses.

BREADSALL.

137 yards of 6in. sewer and three manholes were provided at Haslam's Lane to serve new factory premises.

BREASTON.

The scheme providing for the replacement of the pneumatic ejector stations at Sawley Lane, Draycott and Wilsthorpe Road, Breaston by automatic electrical pumping stationns which had been submitted to the Ministry of Local Government and Planning in 1950 had not received approval at the end of the year.

CHADDESDEN.

An Aveling-Barford pedestrian controlled dumper was acquired for use at the disposal works and has proved of tremendous advantage in handling sludge.

LITTLE EATON.

As the result of road-making operations it became necessary for the whole of the sewer at The Chase to be relaid and for many of the house connections to be reconstructed. 210 yards of 6in. sewer and five manholes were installed

OCKBROOK.

A serious blockage of the sewer at Derby Road, Borrowash, took place in January. The sewer here is shallow and investigation revealed that it had become damaged as a result of the very heavy traffic carried by this road. In addition to effecting repairs three new manholes were installed.

SANDIACRE.

The sewer at Regent Street was found to be defective and a scheme was prepared for the provision of 78 yards of 9in. sewer and three manholes. Work was in progress at the end of the year.

GENERAL.

The Council's Consulting Engineers were instructed to examine and report on the condition and capacity of the various sewage disposal works.

In addition to the above, new sewers were laid in the district as part of Council housing site preparation.

Legal Proceedings.

The Council was concerned in proceedings brought by the Police concerning the theft of waste paper from the refuse tip and salvage depot at Dale Abbey. One man was fined £2/0/0d. ; the two others 10/- each ; and each defendant was ordered to pay £1/1/3d. costs.

An appeal to the Magistrates' Court was laid by the owner of premises at Spondon in connection with the refusal of the Council to grant a Licence under Sec. 269, Public Health Act, 1936, authorising land to be used as a site for a moveable dwelling, but was withdrawn before the date of the hearing.

On behalf of the Ministry of Works the Council brought proceedings against the owner of a house at Littleover and her builder for carrying out building work without a Building Licence. The owner was fined £25/0/0d. and the builder £50/0/0d. and each defendant was ordered to pay £5/5/0d. costs.

Rodent Control.

For several months the Council was without the services of a Rodent Operator. Infestations at private premises were dealt with during the year as well as systematic treatments of the refuse tips, sewage works and sewerage systems. The cost of the service for the year ending March 31st, 1952, after allowing for sundry income of £12/8/10d. and including the cost of operation of the Austin van was £277/6/11d.

FACTORIES ACT, 1937.

Annual Report of Medical Officer of Health in respect of the year, 1951.

PART I OF THE ACT.

1.—INSPECTIONS.

Premises	Number on Register	Number of Inspections	Number of Written notices	Number of Occupiers prosecuted
(i) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities.	196	30	4	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	—	—	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	—	—	—	—
TOTAL	196	30	4	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars.	Found	Number of cases in which defects were found.		Number of cases in which prosecutions were instituted	
		Remedied	To H.M. Inspector	Referred By H.M. Inspector	prosecutions were instituted
Want of cleanliness (S.1)	1	1	—	—	—
Sanitary Conveniences (S.7)	—	—	—	—	—
(a) insufficient	—	—	—	—	—
(b) Unsuitable or defect.	3	2	—	—	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to Out-work).	—	—	—	—	—
TOTAL	4	3	—	—	—

PART VIII OF THE ACT.

OUTWORK.

Wearing Apparel, Making, etc., 37 outworkers.

Lace, Lace Curtains and Nets, 27 outworkers.

Hosiery, 112 outworkers.

Knitwear, 22.

Boot and Shoe Manufacture, 10.

Surgical Appliance Manufacture, 10.

Birth-rates, Death-rates, Analysis of Mortality, and Case-rates for certain notifiable diseases in the Year 1951.

	England & Shardlow		Rural	District.
	Wales. Rate per 1,000 Population.	Number	Rate per 1,000 Population	
BIRTHS.				
Live Births	15.5	1151	15.00
Still Births	0.36	30	0.39
DEATHS.				
All causes	12.5	789	10.40
Typhoid and Paratyphoid	0.00	0	0
Whooping cough	0.01	0	0
Diphtheria	0.00	0	0
Tuberculosis		0.31	11	0.14
Influenza	0.38	32	0.41
Smallpox	--	--	--
Acute poliomyelitis (including polioencephalitis)	0.00	1	0.01
Pneumonia	0.61	25	0.32
NOTIFICATIONS (corrected).				
Typhoid fever	0.00	0	--
Paratyphoid fever	0.02	7	0.09
Meningococcal infection	0.03	3	0.04
Scarlet fever	1.11	66	0.86
Whooping cough	3.87	295	3.84
Diphtheria	0.02	0	--
Erysipelas	0.14	6	0.08
Smallpox	0.00	0	--
Measles	14.07	1533	19.95
Pneumonia	0.99	75	0.97
Acute poliomyelitis (including polioencephalitis)			
Paralytic	0.03	3	0.04
Non-Paralytic	0.02	0	--
Food poisoning	0.13	3	0.04
DEATHS.				
All causes under 1 year of age	...	29.6	23	19.98
Enteritis and diarrhoea under 2 years of age	...	1.4	1	0.87
NOTIFICATIONS (corrected).				
Puerperal fever and pyrexia	...	10.66	3	2.60

Parish	Area in Acres.	No. of houses in Parish	Rateable Value 31/3/52. £	(£ only)	POPULATION.		
					Census 1921	Census 1931	Net sum represented by a Penny Rate. Est'd. 31/3/52.
Alvaston & Boulton	1,321	3,667	63,888	250	1,575	3,280	11,659
Arleston & Sinfo	810	192	3,388	14	45	45	621
Aston-on-Trent	1,898	253	4,109	16	493	648	946
Barrow-on-Trent	1,204	109	1,248	4	240	248	440
Breadsall	1,917	392	9,453	37	520	1,441	1,445
Breaston	1,990	1,088	19,367	76	1,356	2,024	3,567
Chaddesden	1,688	3,514	58,399	219	560	1,995	11,961
Chellaston	851	732	13,611	54	820	1,292	2,500
Dale Abbey	1,945	91	1,071	4	395	391	380
Derby Hills	... 323	14	258	1	42	52	66
Draycott	1,452	679	11,653	45	2,454	2,339	2,600
Elvaston	2,654	98	1,392	5	469	469	579
Hopwell	617	9	749	3	77	85	92
Little Eaton	1,098	528	12,468	49	1,179	1,261	1,927
Littleover	1,559	2,914	66,929	271	1,624	3,387	8,016
Melbourne	3,506	1,144	18,982	74	3,467	3,714	4,357
Morley	1,853	111	3,234	13	322	309	382
Ockbrook	1,854	1,150	20,613	81	2,971	4,000	
Risley	1,152	186	4,447	18	28!	369	620
Sandiacre	1,125	1,832	27,906	107	3,744	4,513	6,268
Shardlow	1,204	237	4,661	18	994	1,012	1,203
Sinfin Moor	1,063	24	660	3	59	61	65
Spondon	2,693	2,866	47,908	183	3,132	4,881	8,966
Stanley	1,206	590	7,039	27	1,401	1,352	2,194
Stanton-by-Bridge	1,433	31	342	1	116	140	156
Stanton-by-Dale	1,462	168	7,168	29	672	606	647
Swarkstone	996	39	964	4	155	138	147
West Hallam	1,360	598	17,687	71	980	1,172	2,116
Weston-on-Trent	1,970	150	3,350	12	394	387	536
Whole District	44,204	23,406	432,944	1,689	30,535	40,582	78,456

The total population of the Shardlow Rural District according to the 1951 Census was 75,876.

The 1951 Census population figures for individual parishes have not been published.

Table showing the incidence of Notifiable Diseases in individual Parishes and the number of cases removed to Hospital.

Cases as notified.	Scarlet Fever		Diphtheria		Erysipelas.		Pneumonia N			Dysentery.		Cerebro-Spinal Fever		Acute Polio-myelitis.		Para-Typhoid Fever.		Whooping Cough.		Measles.			
	N.	R.H.	N.	R.H.	N.	R.H.	Primary	Influenza	R.H.	N.	R.H.	N.	R.H.	N.	R.H.	N.	R.H.	N.	R.H.	N.	R.H.		
Alvaston & Boulton	{	*1 18	*1 3	*2	*1	1	19	2	3	*1			1	1	2	2	23	3	138	3	*2		
Arleston & Sifin	...	1															3	1	15				
Aston-on-Trent	...																			37			
Barrow-on-Trent	...																						
Breadsall	...																				6		
Breaston	...	5	1																	70	1		
Chaddesden	...	16	5				2	4	1		2	2	*1	*1			68	1	{ *3 447	*1 2			
Chellaston	...	3					3											4		29	1		
Dale Abbey	...						1													1			
Derby Hills	...							1															
Draycott	...	5						1										28	1	36			
Elvaston	...																			6			
Hopwell	...																						
Little Eaton	...	1	1			1	1			2	2	1					9		59	1			
Littleover	...	2	1			1	1	2	1							2	2	16	{ *2 183	1			
Melbourne	...	1	1	*1	*1			1								3	3	3		7			
Morley	...						1											1		12			
Ockbrook	...	1	1					1					1	1				27	2	84			
Risley	...																	13		31			
Sandiacre	...	7	2			1		7	2								12		{ *2 140				
Shardlow	...						1	3								1	1		6	5			
Sinfin Moor	...						2																
Spondon	...	6	4					4	7									{ *1 61	*1 3	193	2		
Stanley	...						3	1												5			
Stanton-by-Bridge	...																	4		1			
Stanton-by-Dale	...																			1			
Swarkestone	...						4	1										2					
West Hallam	...																	1		20			
Weston-on-Trent	...																			6			
Total ...		67	19		3	2	6	1	47	25	5	1		3	3	4	4	7	7	289	13	1544	17
Notifications after correction.		66		—	6		72		—			3		3		7		295		1533			

*The cases marked with an asterisk were not confirmed.

N—Denotes cases notified.

RH—Denotes cases removed to Hospital.

Table showing number of Houses and number of Population supplied from Public Water Mains at March 31st, 1952.

PARISH	Number of Houses in Parish.	Population of Parish.	SUPPLYING AUTHORITY.	Total number of houses in Parish supplied.	Total population supplied in Parish.	DETAILS OF HOUSES SUPPLIED.		
						Shardlow R.D.C.	Derby Corporation.	Other Authorities.
Alvaston & Boulton	3,667	11,659	Derby Corporation.	3,646	11,586		3,646	
Arleston & Sinfín	192	621	Derby Corporation. by special agreement.	182	586		182	
Aston-on-Trent	253	946	Shardlow R.D.C.	235	883	235		
Barrow-on-Trent	109	440	Shardlow R.D.C.	99	405	99		
Breadsall	392	1,445	Derby Corporation.	372	1,375		361	11
Breaston	1,088	3,567	Shardlow R.D.C.	1,053	3,445	1,047		6
Chaddesden	3,514	11,961	Derby Corporation.	3,476	11,828		3,474	2
Chellaston	732	2,500	Shardlow R.D.C.	722	2,465	716	6	
Dale Abbey	91	380	Shardlow R.D.C.	88	369	85		
Derby Hills	14	66	Shardlow R.D.C.	7	33	5		2
Draycott	679	2,600	Shardlow R.D.C.	658	2,526	648		10
Elvaston	98	579	Shardlow R.D.C.	95	568	95		
Hopwell	9	92	Shardlow R.D.C.	9	92	8		1
Little Eaton	528	1,927	Derby Corporation.	513	1,875		513	
Littleover	2,914	8,016	Derby Corporation.	2,896	7,953		2,896	
Melbourne	1,144	4,357	Shardlow R.D.C.	1,121	4,276	1,109		12
Morley	111	382	Shardlow R.D.C.	110	378	102		8
Ockbrook	1,150	4,000	Shardlow R.D.C.	1,138	3,958	1,129	1	8
Risley	186	620	Shardlow R.D.C.	162	536	159		3
Sandiacre	1,832	6,268	Shardlow R.D.C.	1,819	6,223	1,819		
Shardlow	237	1,203	Shardlow R.D.C.	221	1,147	221		
Sinfín Moor	24	65	Derby Corporation. by special agreement.	12	32		12	
Spordon	2,866	8,966	Derby Corporation	2,841	8,879		2,830	11
Stanley	590	2,194	Shardlow R.D.C.	588	2,187	586		2
Stanton-by-Bridge	31	156	Shardlow R.D.C.	24	132	24		
Stanton-by-Dale	168	647	Shardlow R.D.C.	153	593	127		26
Swarkestone	39	147	Shardlow R.D.C.	35	133	35		
West Hallam	598	2,116	Shardlow R.D.C.	598	2,116	598		
Weston-on-Trent	150	536	Shardlow R.D.C.	142	508	142		
Total ...	23,406	78,456		23,015	77,087	8,989	13,921	105

SHARDLOW RURAL DISTRICT

RURAL DISTRICT



DISTRICT BOUNDARIES —
PARISH BOUNDARIES —

REFERENCE

- Parishes having Public Refuse Collection and Disposal Service
- Parishes having Public Water Supply
- Parishes having Public Sewerage and Sewage Disposal Service
- Parishes having Council Housing Estates

G.I.R. JUNE 1950

0 1 MILES 2 3

MAP OF THE RURAL DISTRICT SHARDLOW DISTRICT



